

Amendments to the Claims

Listing of Claims:

Claims 1 - 15 (canceled).

Claim 16 (new): A configuration, comprising:

a transmission device for transmitting a transmission signal, said transmission device having a transmission oscillator;

a reception device for receiving a reflection of the transmission signal, said reception device having an evaluation oscillator; and

wherein said transmission oscillator is configured to be excited quasi-phase coherently by said evaluation oscillator, and/or said evaluation oscillator is configured to be excited quasi-phase coherently by said transmission oscillator.

Claim 17 (new): The configuration according to claim 16, wherein the respective said oscillators are connected to one another by a line connection to enable said transmission oscillator to be excited quasi-phase coherently by said evaluation oscillator and/or said evaluation oscillator to be excited quasi-phase coherently by said transmission oscillator.

Claim 18 (new): The configuration according to claim 16, wherein the respective said oscillators are disposed adjacent one another to enable said transmission oscillator to be excited quasi-phase coherently by said evaluation oscillator and/or

said evaluation oscillator to be excited quasi-phase coherently by said transmission oscillator.

Claim 19 (new): The configuration according to claim 16, wherein said oscillators are unshielded from one another, to enable said transmission oscillator to be excited quasi-phase coherently by said evaluation oscillator and/or said evaluation oscillator to be excited quasi-phase coherently by said transmission oscillator.

Claim 20 (new): The configuration according to claim 16, which comprises a device for switching the respective said excitable oscillator cyclically at a clock rate.

Claim 21 (new): The configuration according to claim 20, wherein a time during which said excitable oscillator can be switched on lies in a same order of magnitude as a reciprocal, or is less than the reciprocal, of a difference between the steady state frequencies of the respective said oscillators.

Claim 22 (new): The configuration according to claim 20, wherein a repetition rate of a clock at which the respective said excitable oscillator is switched is considerably higher than a frequency of a measurement signal.

Claim 23 (new): The configuration according to claim 22, wherein the repetition rate of the clock is more than five times higher than the frequency of the

measurement signal.

Claim 24 (new): The configuration according to claim 16, wherein at least one of said transmission oscillator and said evaluation oscillator have a variable frequency.

Claim 25 (new): The configuration according to claim 16, wherein one of said transmission oscillator and said evaluation oscillator is a variable-frequency oscillator, while one of said evaluation oscillator and said transmission oscillator is a fixed-frequency oscillator.

Claim 26 (new): In a distance measurement system, the configuration according to claim 16.

Claim 27 (new): The configuration according to claim 16, wherein said transmission device is a radar transmitter and said reception device is a radar receiver.

Claim 28 (new): The configuration according to claim 27, wherein said radar has a tunable frequency range and/or said radar is switchable to two switching states between a short-range radar and a long-range radar.

Claim 29 (new): A vehicle, a building or an industrial plant having a configuration according to claim 16.

Claim 30 (new): A method, which comprises:

exciting a transmission oscillator quasi-phase coherently with an evaluation oscillator and/or exciting an evaluation oscillator quasi-phase coherently with a transmission oscillator;

generating a transmission signal with a transmission oscillator;

transmitting the transmission signal;

receiving a reflection of the transmission signal; and

generating an evaluation signal with an evaluation oscillator.

Claim 31 (new): The method according to claim 30, which comprises performing the method steps for distance measurement.

Claim 32 (new): The method according to claim 30, which comprises mixing the evaluation signal with the reflection of the transmission signal.

Claim 33 (new): The method according to claim 30, which comprises performing one or both of the following two steps:

exciting the transmission oscillator quasi-phase coherently repeatedly and cyclically with the evaluation oscillator;

exciting the evaluation oscillator quasi-phase coherently, repeatedly and cyclically with the transmission oscillator.